

WHAT IS CLAIMED IS:

1 1. A method for accessing a control system in a server from a client  
2 computer, wherein the control system includes a logon program to enable the client  
3 computer to use a terminal emulation program to logon to the server to access a client  
4 process executing in the server to perform control system operations, further  
5 comprising:  
6 requesting, with the client, security context for the client including  
7 authorization to allow the client to access control system functions in the server;  
8 returning, with the server, the requested security context to the client; and  
9 transmitting, with a client program executing in the client, a control system  
10 command and the security context to access the server control system.

1 2. The method of claim 1, wherein requesting the security client  
2 comprises the client requesting the server to impersonate the client to obtain the  
3 security context, further comprising accessing, with the server impersonating the  
4 client, the security context to return to the client.

1 3. The method of claim 2, wherein the Distributed Computing  
2 Environment (DCE) protocol is used to provide the client security context, wherein  
3 the client uses the sec\_login\_become\_initiator DCE command to request the server to  
4 impersonate the client, wherein the server uses the sec\_login\_become\_impersonator  
5 DCE command to impersonate the client to obtain the security context.

1 4. The method of claim 1, further comprising:  
2 converting, with the server, the security context transmitted through the client  
3 program to a pointer to credential information of the client  
4 determining from the credential information, with the server, whether the  
5 client is authorized to invoke the transmitted control system command; and

6       executing, with the server, the control system command transmitted by the  
7       client if the client is authorized to invoke the command.

1            5.        The method of claim 1, wherein the client computer includes a  
2        different operating system than the server, wherein the client program executing in the  
3        client interacts with the client process executing in the server to perform control  
4        system operations.

1           6.     The method of claim 1, wherein the client requests the security context  
2 through a remote procedure call.

1        7.        The method of claim 1, wherein the control system is a printing  
2        systems manager to control printers and printer related objects managed by the server.

1            8.        The method of claim 7, wherein the printer system manager command  
2 transmitted by the client comprises a command to reconfigure at least one printer  
3 object, thereby allowing the client computer to perform administrative functions.

1           9.       A system for accessing a control system in a server from a client  
2 computer, wherein the control system includes a logon program to enable the client  
3 computer to use a terminal emulation program to logon to the server to access a client  
4 process executing in the server to perform control system operations, further  
5 comprising:

6 means for requesting security context for the client including authorization to  
7 allow the client to access control system functions in the server

8 means for returning the requested security context to the client; and

9 means for transmitting with a client program executing in the client a control  
10 system command and the security context to access the server control system.

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1            11.    The system of claim 10, wherein the Distributed Computing  
2    Environment (DCE) protocol is used to provide the client security context, wherein  
3    the client uses the sec\_login\_become\_initiator DCE command to request the server to  
4    impersonate the client, wherein the server uses the sec\_login\_become\_impersonator  
5    DCE command to impersonate the client to obtain the security context.

1           12.     The system of claim 9, further comprising:  
2           means for converting the security context transmitted through the client  
3 interface to a pointer to credential information of the client;  
4           means for determining from the credential information whether the client is  
5 authorized to invoke the transmitted control system command; and  
6           means for executing the control system command transmitted by the client if  
7 the client is authorized to invoke the command.

1            13.     The system of claim 9, wherein the client computer includes a different  
2     operating system than the server, wherein the client program is part of the client  
3     operating system, and wherein the client program interacts with the client process  
4     executing in the server to perform control system operations.

1           14.     The system of claim 9, wherein the client requests the security context  
2 through a remote procedure call.

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1           16.   The system of claim 15, wherein the printer system manager command  
2 transmitted by the client comprises a command to reconfigure at least one printer  
3 object, thereby allowing the client computer to perform administrative functions.

1           17.     An article of manufacture for use in accessing a control system in a  
2 server from a client computer, wherein the control system includes a logon program to  
3 enable the client computer to use a terminal emulation program to logon to the server  
4 to access a client process executing in the server to perform control system  
5 operations, the article of manufacture comprising computer usable media including  
6 computer programs embedded therein that cause the client and server computer to  
7 perform:  
8           requesting, with the client, security context for the client including  
9 authorization to allow the client to access control system functions in the server;  
10          returning, with the server, the requested security context to the client; and  
11          transmitting, with a client program executing in the client, a control system  
12 command and the security context to access the server control system.

1           18.     The article of manufacture of claim 17, wherein requesting the security  
2     client comprises the client requesting the server to impersonate the client to obtain the  
3     security context, further comprising accessing, with the server impersonating the  
4     client, the security context to return to the client.

1           19.     The article of manufacture of claim 18, wherein the Distributed  
2     Computing Environment (DCE) protocol is used to provide the client security  
3     context, wherein the client uses the sec\_login\_become initiator DCE command to

4 request the server to impersonate the client, wherein the server uses the  
5 `sec_login_become_impersonator` DCE command to impersonate the client to obtain  
6 the security context.

1        20        The article of manufacture of claim 17, further causing the server to  
2 perform:  
3        converting the security context transmitted through the client program to a  
4 pointer to credential information of the client;  
5        determining from the credential information whether the client is authorized to  
6 invoke the transmitted control system command; and  
7        executing the control system command transmitted by the client if the client is  
8 authorized to invoke the command.

21. The article of manufacture of claim 17, wherein the client computer includes a different operating system than the server, wherein the client program executing in the client interacts with the client process executing in the server to perform control system operations.

1           22.     The article of manufacture of claim 17, wherein the client requests the  
2 security context through a remote procedure call.

1           23.       The article of manufacture of claim 17, wherein the control system is a  
2     printing systems manager to control printers and printer related objects managed by  
3     the server.

1           24.     The article of manufacture of claim 23, wherein the printer system  
2     manager command transmitted by the client comprises a command to reconfigure at

